

## ABSTRACT OF THE DISCLOSURE

A method and apparatus for exception handling in a multi-processor environment are described. In an embodiment, a method for handling a number of exceptions within a processor in a multi-processing system includes receiving an exception within the processor, wherein each processor in the multi-processor system shares a same memory. The method also includes executing a number of instructions at an address within a common interrupt handling vector address space of the same memory. The number of instructions cause the processor to determine an identification of the processor based on a query that is internal to the processor. Additionally, the method includes modifying execution flow of the exception to execute an interrupt handler located within one of a number of different interrupt handling vector address spaces.